

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 146

Date of revision: 29. 04. 2024

Version: 4.0

Replaced version from: 31. 07. 2021

Date of issue: 08. 10. 2019

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

**Product Name**

**CLEAMEN 146**

**UFI code**

UFI: Q5T0-30RQ-1006-N1WD

**Product code**

TC14601/4

**Mixture description**

An aqueous solution.

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Identified uses**

Liquid neutral cleaning agent.  
Professional and consumer use.

**Uses advised against**

They are not known. It is recommended to use it only for the intended use. Other uses may expose users to unpredictable risks.

#### 1.3. Details of the supplier of the safety data sheet

**CORMEN s.r.o.**

Věchnov 73

593 01

Czech Republic

Tel.: +420 566 550 961

Fax: +420 566 551 822

e-mail address for a competent person responsible for the SDS: [info@cormen.cz](mailto:info@cormen.cz)

#### 1.4. Emergency telephone number

112 (General emergency phone).

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

The mixture is classified as **hazardous** according to regulation 1272/2008/EC.

**Classification according to 1272/2008/EC**

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### Eye Dam. 1; H318

Full text of classifications and H-phrases: see section 16.

#### **The most important adverse physical, human health and environmental effects**

Causes serious eye damage.

## 2.2. Label elements

### **Hazard pictograms**



### **Signal word**

Danger.

### **Substances of the mixture to be placed on the label**

Contain Decan-1-ol, ethoxylated, Sulfonic acids, C14-17-sec-alkane, sodium salts.

### **Hazard statements**

H318 Causes serious eye damage.

### **Precautionary statements**

P102 Keep out of reach of children.  
P280 Wear eye protection/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/doctor.  
P501 Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### **Supplemental hazard information**

EUH208 - Contains 4-tert-Butylcyclohexyl acetate. May produce an allergic reaction.  
Composition according to regulation 648/2004/EC on detergents: < 5 % neionic surfactants, anionic surfactants, preservation agents (SODIUM BENZOATE, METHYLCHLOROISOTHIAZOLINONE AND METHYLISOTHIAZOLINONE), perfumes, LIMONENE, CITRONELLOL, GERANIOL, LINALOOL, HEXYL CINNAMAL, ALPHA-ISOMETHYL IONONE.

## 2.3. Other hazards

Mixture does not contain substance(s) meeting the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH regulation. The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH regulation. Mixture does not contain the substance(s) identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

## SECTION 3: Composition/information on ingredients

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### 3.2. Mixtures

#### 3.2.1. Substances of a mixture classified as hazardous

| Identification of substance   | Content wt. %   | Classification according to 1272/2008/EC |
|---|-----------------|--|
| <b>Decan-1-ol, ethoxylated</b>                                      |                 |  |
| CAS Number 26183-52-8   |                 |  |
| EC Number 500-046-6   | 1 - < 5         | Acute Tox. 4; H302                       |
| Index Number not given  |                 | Eye Dam. 1; H318                         |
| Registration Number is not subject to registration, it is a polymer |                 |  |
| <b>Sulfonic acids, C14-17-sec-alkane, sodium salts</b>              |                 |  |
| CAS Number 97489-15-1   |                 | Acute Tox. 4; H302                       |
| EC Number 307-055-2   | 1 - < 5         | Skin Irrit. 2; H315                      |
| Index Number not given  |                 | Eye Dam. 1; H318                         |
| Registration Number 01-2119489924-20-XXXX                           |                 | Aquatic Chronic 3; H412                  |
| The substance has specific concentration limits:                    |                 |  |
| Skin Irrit. 2; H315   | C > 10 %        |  |
| Eye Dam. 1; H318  | C > 15 %        |  |
| Eye Irrit. 2; H319  | 10 % < C ≤ 15 % |  |
| <b>4-tert-Butylcyclohexyl acetate</b>                               |                 |  |
| CAS Number 32210-23-4   |                 |  |
| EC Number 250-954-9   | 0.1 - < 1       | Skin Sens. 1B; H317                      |
| Index Number not given  |                 |  |
| Registration Number 01-2119976286-24-XXXX                           |                 |  |

Full text of classifications and H-phrases: see section 16.

## SECTION 4: First aid measures

In all cases keep the victim at physical and mental rest and warm. In case of doubt or if symptoms persist, seek medical attention. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing. Protect yourself during rescue work.

### 4.1. Description of first aid measures

#### Inhalation

Interrupt the exposure, move the person to the fresh air. In case of persistent nausea, seek medical advice.

#### Skin contact

Remove contaminated clothing, shoes, and wash affected skin thoroughly with water (preferably lukewarm) and soap. Do not use solvents or thinners. If the problem persists, seek medical advice.

#### Eye contact

Rinse with a gentle stream of water for at least 15 minutes. Keep your eyelids wide open with your thumb and forefinger. If the affected person is wearing contact lenses, remove them before rinsing eyes if it is easy. Seek medical advice.

#### Ingestion

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Rinse your mouth and then drink plenty of water. Do not induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Seek medical advice.

### **4.2. Most important symptoms and effects, both acute and delayed**

Are not known.

### **4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically and supportively.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### ***Suitable extinguishing media***

##### Small fire:

Carbon dioxide CO<sub>2</sub>, dry extinguishing agent, sand or earth, alcohol-resistant foam.

##### Extensive fire:

Fragmented water streams (water mist), alcohol-resistant foam.

#### ***Unsuitable extinguishing media***

Solid streams of water may be ineffective.

### **5.2. Special hazards arising from the substance or mixture**

In case of fire extinguishing prevent leakage of water and rest of product into drains. Collect them separately and dispose of safely in accordance with current legislation and applicable local regulations.

In case of fires, hazardous combustion gases are formed: carbon oxides, sulphur oxides, hydrogen sulphide and products of incomplete combustion.

### **5.3. Advice for firefighters**

Stop further leakage of product if possible. Spilled product, which does not burn, cover with sand or foam. Move containers and barrels away from the fire to a safe place, if possible. Cool all affected containers down with flooding quantities of water. If the fire can't be extinguished - evacuate the premises.

In case of fire, wear suitable respiratory protective equipment and fire-fighting suit.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes, use suitable protective equipment and clothing, see Section 8. Ensure adequate ventilation. Avoid formation of vapour and aerosol. At the point of leakage, prevent the movement of unauthorized persons.

### **6.2. Environmental precautions**

Prevent further leakage or spillage if safe to do so. If this cannot be avoided, inform the competent authorities (police and firefighters) immediately.

### **6.3. Methods and material for containment and cleaning up**

According to the amount of spilled liquid, drain away the substance (large spillage) or in case of small spillage, absorb it with suitable absorbent (vermiculite, dry sand), put into labelled closed containers and dispose of them accordingly to Section 13. Flush residues with water and collect it for waste disposal. Do not use solvents or dispersants unless instructed by an expert or government authority.

If container is damaged, remove the content to the new undamaged container and label it properly again.

### **6.4. Reference to other sections**

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Refer also to the provisions of sections 7, 8 and 13 of this safety data sheet.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Avoid contact with skin and eyes. Personal protection see. Section 8. Ensure good ventilation to prevent formation of vapour and aerosol.

Smoking, eating and drinking should be prohibited at the place of use. Keep safety regulations for handling chemicals. Take off contaminated clothing and protective equipment before entering the dining area. Do not use dirty clothing. After work wash yourself carefully with warm water and soap, take a shower. Use protective cream.

#### 7.2. Conditions for safe storage, including any incompatibilities

Store in original, tightly closed containers, in a dry, cool and well-ventilated place at room temperature. Protect from frost.

Do not store together with incompatible materials (see subsection 10.5), food, drink and feed.

#### 7.3. Specific end use(s)

See subsection 1.2.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1. Exposure limit value

Not determined.

##### 8.1.2. Biological limit values

Not determined in EU.

##### 8.1.3. DNEL and PNEC values

Sulfonic acids, C14-17-sec-alkane, sodium salts

CAS: 97489-15-1

#### DNEL

| Area of use        | Route of exposure | Effect          | Exposure time    | Value                  |
|--------------------|-------------------|-----------------|------------------|------------------------|
| Workers            | Inhalation        | Systemic effect | Long term        | 35 mg/m <sup>3</sup>   |
| Workers            | Dermal            | Systemic effect | Long term        | 5 mg/kg/day            |
| Workers            | Dermal            | Local effect    | Long term        | 2.8 mg/cm <sup>2</sup> |
| Workers            | Dermal            | Local effect    | Acute/short term | 2.8 mg/cm <sup>2</sup> |
| General population | Inhalation        | Systemic effect | Long term        | 12.4 mg/m <sup>3</sup> |
| General population | Dermal            | Systemic effect | Long term        | 3.57 mg/kg/day         |
| General population | Dermal            | Local effect    | Long term        | 2.8 mg/cm <sup>2</sup> |
| General population | Dermal            | Local effect    | Acute/short term | 2.8 mg/cm <sup>2</sup> |
| General population | Oral              | Systemic effect | Long term        | 7.1 mg/kg/day          |

#### PNEC

| Fresh water | Marine water | Intermittent releases | Sewage Treatment Plant (STP) |
|-------------|--------------|-----------------------|------------------------------|
|             |              | Fresh water           | Marine water                 |

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|  |                         |                       |               |                              |
|--|-------------------------|-----------------------|---------------|------------------------------|
| 0.06 mg/l  | 0.006 mg/l              | 0.06 mg/l             | not given     | 600 mg/l                     |
| <b>PNEC</b>  |                         |                       |               |                              |
| Sediment (freshwater)  | Sediment (marine water) | Air                   | Soil          | Hazard for predators         |
| 9.4 mg/kg  | 0.94 mg/kg              | no effect             | 9.4 mg/kg     | 53.3 mg/kg food              |
| <b>4-tert-Butylcyclohexyl acetate</b>  |                         |                       |               | CAS: 32210-23-4              |
| <b>DNEL</b>  |                         |                       |               |                              |
| Area of use  | Route of exposure       | Effect                | Exposure time | Value                        |
| Workers  | Inhalation              | Systemic effect       | Long term     | 4.93 mg/m <sup>3</sup>       |
| Workers  | Dermal                  | Systemic effect       | Long term     | 1.4 mg/kg/day                |
| General population   | Inhalation              | Systemic effect       | Long term     | 0.87 mg/m <sup>3</sup>       |
| General population   | Dermal                  | Systemic effect       | Long term     | 0.5 mg/kg/day                |
| General population   | Oral                    | Systemic effect       | Long term     | 0.5 mg/kg/day                |
| <b>PNEC</b>  |                         |                       |               |                              |
| Fresh water  | Marine water            | Intermittent releases |               | Sewage Treatment Plant (STP) |
|  |                         | Fresh water           | Marine water  |                              |
| 9.02 µg/l  | 0.902 µg/l              | 53 µg/l               | 5.3 µg/l      | 12.2 mg/l                    |
| <b>PNEC</b>  |                         |                       |               |                              |
| Sediment (freshwater)  | Sediment (marine water) | Air                   | Soil          | Hazard for predators         |
| 3.57 mg/kg   | 0.357 mg/kg             | no effect             | 0.709 mg/kg   | 66.67 mg/kg food             |
| <b>8.2. Exposure controls</b>  |                         |                       |               |                              |
| <b>8.2.1. Appropriate engineering controls</b>   |                         |                       |               |                              |
| Use only in well-ventilated areas.   |                         |                       |               |                              |
| Observe usual safety precautions for working with chemicals. The degree of effectiveness of personal protective equipment depends on temperature and ventilation levels.   |                         |                       |               |                              |
| <b>8.2.2. Individual protection measures, such as personal protective equipment</b>  |                         |                       |               |                              |
| Do not eat, drink or smoke. After work, wash thoroughly with warm water and soap and take a shower. Use protective cream. Do not soiled protective equipment to wash, do not use solvents.   |                         |                       |               |                              |
| <b>Eye/face protection</b>   |                         |                       |               |                              |
| Wear safety glasses or face shield (EN 166, EN 149+A1).  |                         |                       |               |                              |
| <b>Skin protection - hand protection</b>   |                         |                       |               |                              |
| Wear protective gloves when manufacturing and handling the product (EN 374-1, EN 374-2). In normal use it is not necessary to use protective gloves. Wear protective gloves in case of prolonged skin contact.   |                         |                       |               |                              |
| The selection of the glove material on consideration of the breakthrough time, permeability, degradation and next relevant factors; other chemicals that may come into contact, physical requirements (cut and puncture protection, dexterity, thermal protection), possible body reactions to the glove material and the glove supplier's instructions and specifications. In case of repeated use of gloves, clean and keep them in a well-ventilated place before taking off. |                         |                       |               |                              |
| <b>Skin protection - other</b>   |                         |                       |               |                              |
| In normal use is not necessary, in case of prolonged contact with the product, wear protective work clothes and shoes.   |                         |                       |               |                              |

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### **Respiratory protection**

Not necessary in case of compliance concentration limits (if they were exceeded, use respiratory protection). In the event of an accident or a fire use self-contained breathing apparatus.

### **Thermal hazards**

In normal use is not necessary protective equipment to be worn for materials that represent a thermal hazard.

### **8.2.3. Environmental exposure controls**

Uncontrolled release of the mixture into environment is to be avoided. Keep the emission limits according to national legislation.

## **SECTION 9: Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

#### **Mixture**

|   |   |
|---|---|
| <b>Physical state</b>   | Liquid.   |
| <b>Colour</b>   | Colourless.   |
| <b>Odour</b>  | Characteristic.   |
| <b>Melting point/freezing point</b>                             | Not determined.   |
| <b>Boiling point or initial boiling point and boiling range</b> | 100 °C.   |
| <b>Flammability</b>   | Not determined, it is an aqueous solution which does not contain any flammable substances or the concentration of flammable substance(s) is lower than the limit for inclusion in Section 3.  |
| <b>Lower explosion limit</b>                                    | Not determined, it is an aqueous solution which does not contain any flammable substances or the concentration of flammable substance(s) is lower than the limit for inclusion in Section 3.  |
| <b>Upper explosion limit</b>                                    | Not determined, it is an aqueous solution which does not contain any flammable substances or the concentration of flammable substance(s) is lower than the limit for inclusion in Section 3.  |
| <b>Flash point</b>  | Not determined.   |
| <b>Auto-ignition temperature</b>                                | 371 °C.   |
| <b>Decomposition temperature</b>                                | Not determined, the mixture does not contain self-reactive substances or organic peroxides or other substances which may decompose.   |
| <b>pH</b>   | 7   |
| <b>Kinematic viscosity</b>                                      | Not determined, the mixture does not contain a substance classified as aspiration toxic, or the sum of the concentrations of substances classified as aspiration toxic is less than 10 wt. %. |
| <b>Solubility</b>   | Miscible.   |
| <b>Partition coefficient n-octanol/water (log value)</b>        | Does not apply to mixture.  |
| <b>Vapour pressure</b>  | 23 hPa.   |

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|  |   |
|--|---|
| <b>Density and/or relative density</b>                                 | $D_4^{20} = 1.0$ .  |
| <b>Relative vapour density</b>   | Not determined.   |
| <b>Particle characteristics</b>  | Does not apply to liquid.                                     |
| <b>Sulfonic acids, C14-17-sec-alkane, sodium salts</b> CAS: 97489-15-1 |   |
| <b>Physical state</b>  | Solid.  |
| <b>Colour</b>  | Light yellow.   |
| <b>Odour</b>   | Characteristic.   |
| <b>Melting point/freezing point</b>                                    | > 350 °C (OECD 113).<br>Not determined, substance decomposes. |
| <b>Boiling point or initial boiling point and boiling range</b>        | Not determined, substance decomposes.                         |
| <b>Flammability</b>  | Non-flammable solid (EU method A.10).                         |
| <b>Lower explosion limit</b>   | Does not apply to solid.                                      |
| <b>Upper explosion limit</b>   | Does not apply to solid.                                      |
| <b>Flash point</b>   | Does not apply to solid.                                      |
| <b>Auto-ignition temperature</b>                                       | Does not apply to solid.                                      |
| <b>Decomposition temperature</b>                                       | > 350 °C (OECD 113).  |
| <b>pH</b>  | Not determined.   |
| <b>Kinematic viscosity</b>   | Does not apply to solid.                                      |
| <b>Solubility</b>  | ca. 32 wt. % (25 °C, pH = 7.0 - 8.5, literature).             |
| <b>Partition coefficient n-octanol/water (log value)</b>               | log Pow = 0.2 (20 °C, pH = 7.0 - 8.5, EU method A.8).         |
| <b>Vapour pressure</b>   | Not determined.   |
| <b>Density and/or relative density</b>                                 | 0.62 g/cm <sup>3</sup> (20 °C, EN ISO 60).                    |
| <b>Relative vapour density</b>   | Does not apply to solid.                                      |
| <b>Particle characteristics</b>  | D50 = 5 mm (literature).                                      |
| <b>4-tert-Butylcyclohexyl acetate</b> CAS: 32210-23-4                  |   |
| <b>Physical state</b>  | Liquid.   |
| <b>Colour</b>  | Colourless.   |
| <b>Odour</b>   | Not determined.   |
| <b>Melting point/freezing point</b>                                    | Not determined.   |
| <b>Boiling point or initial boiling point and boiling range</b>        | 243 °C (OECD 103).  |
| <b>Flammability</b>  | Not determined.   |
| <b>Lower explosion limit</b>   | Not determined.   |
| <b>Upper explosion limit</b>   | Not determined.   |
| <b>Flash point</b>   | 104 °C (EU method A.9).                                       |
| <b>Auto-ignition temperature</b>                                       | 388 °C (EU method A.15).                                      |

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### **Decomposition temperature**

Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose.

### **pH**

Not determined.

### **Kinematic viscosity**

Not determined, it is not a hydrocarbon or a chlorinated hydrocarbon.

### **Solubility**

Not determined.

### **Partition coefficient n-octanol/water (log value)**

log Pow = 4.8 (25 °C, OECD 117).

### **Vapour pressure**

7.9 Pa (OECD 104).

### **Density and/or relative density**

$D_4^{20} = 0.936$  (OECD 109).

### **Relative vapour density**

Not determined.

### **Particle characteristics**

Does not apply to liquid.

## **9.2. Other information**

### **9.2.1. Information with regard to physical hazard classes**

#### **Mixture**

The mixture does not contain substances classified as hazardous to the physical classes, or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

#### **Sulfonic acids, C14-17-sec-alkane, sodium salts**

CAS: 97489-15-1

#### **Explosives**

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

#### **Flammable gases**

It is not gas.

#### **Aerosols**

It is not aerosol.

#### **Oxidising gases**

It is not gas.

#### **Gases under pressure**

It is not gas.

#### **Flammable liquids**

It is not liquid.

#### **Flammable solids**

The substance is not classified as flammable solid (EU method A.10).

#### **Self-reactive substances and mixtures**

Data for the substance are not available.

The substance is not classified as self-reactive.

#### **Pyrophoric liquids**

It is not liquid.

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### **Pyrophoric solids**

Data for the substance are not available.  
The substance is stable in air, there is no spontaneous ignition.

### **Self-heating substances and mixtures**

Data for the substance are not available.  
The substance is not classified as self-heating.

### **Substances and mixtures, which emit flammable gases in contact with water**

Data for the substance are not available.  
The substance is soluble in water and forms a stable mixture with it.

### **Oxidising liquids**

It is not liquid.

### **Oxidizing solids**

Data for the substance are not available.  
It is an organic substance does not contain chemical groups associated with oxidising properties.

### **Organic peroxides**

Data for the substance are not available.  
The substance does not contain a bivalent group -O-O- with at least one organic radical.

### **Corrosive to metals**

Data for the substance are not available.  
The substance is not classified as corrosive to metal.

### **Desensitised explosives**

Data for the substance are not available.  
The substance does not contain chemical groups associated with explosive properties.

**4-tert-Butylcyclohexyl acetate**

CAS: 32210-23-4

### **Explosives**

Data for the substance are not available.  
The substance does not contain chemical groups associated with explosive properties.

### **Flammable gases**

It is not gas.

### **Aerosols**

It is not aerosol.

### **Oxidising gases**

It is not gas.

### **Gases under pressure**

It is not gas.

### **Flammable liquids**

The substance is not classified as flammable liquid according to the value of the flash point and boiling point.

### **Flammable solids**

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It is not solid.

### ***Self-reactive substances and mixtures***

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive or self-reactive properties.

### ***Pyrophoric liquids***

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

### ***Pyrophoric solids***

It is not solid.

### ***Self-heating substances and mixtures***

Data for the substance are not available.

The substance is not classified as self-heating.

### ***Substances and mixtures, which emit flammable gases in contact with water***

Data for the substance are not available.

The chemical structure of the substance does not contain metals or metalloids.

### ***Oxidising liquids***

Data for the substance are not available.

It is an organic substance that does not contain oxygen, fluorine or chlorine, or these elements are chemically bounded only to carbon or hydrogen.

### ***Oxidizing solids***

It is not solid.

### ***Organic peroxides***

Data for the substance are not available.

The substance does not contain a bivalent group -O-O- with at least one organic radical.

### ***Corrosive to metals***

Data for the substance are not available.

The substance is not classified as corrosive to metal.

### ***Desensitised explosives***

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

### **9.2.2. Other safety characteristics**

|  |   |
|--|---|
| <b><i>Mechanical sensitivity</i></b>                       | Not determined, it is not an explosive substance.   |
| <b><i>Self-accelerating polymerisation temperature</i></b> | Not determined, it is not a polymerising substance. |
| <b><i>Formation of explosible dust/air mixtures</i></b>    | Not determined, it is not a dust.                   |
| <b><i>Acid/alkaline reserve</i></b>                        | Not determined, pH is in the range 4 - 10.          |
| <b><i>Evaporation rate</i></b>                             | Not determined.                                     |
| <b><i>Miscibility</i></b>                                  | Not determined.                                     |
| <b><i>Conductivity</i></b>                                 | Not determined.                                     |
| <b><i>Corrosiveness</i></b>                                | Not determined.                                     |

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|                                    |                                |
|------------------------------------|--------------------------------|
| <b>Gas group</b>                   | Not determined, it is not gas. |
| <b>Redox potential</b>             | Not determined.                |
| <b>Radical formation potential</b> | Not determined.                |
| <b>Photocatalytic properties</b>   | Not determined.                |

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The mixture is stable under normal conditions of use. There aren't any hazardous reaction.

#### 10.2. Chemical stability

Stable under recommended storage conditions.

#### 10.3. Possibility of hazardous reactions

Hazardous reactions aren't known under normal conditions of use.

#### 10.4. Conditions to avoid

Protect from frost.

#### 10.5. Incompatible materials

Strong base, strong oxidizing agents.

#### 10.6. Hazardous decomposition products

They do not form under normal use. Burning releases carbon oxides, sulphur oxides, hydrogen sulphide and products of incomplete combustion.

### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

##### Mixture

##### Acute toxicity

The mixture is not classified as toxic for all routes of exposure.

##### Oral

Data for the mixture are not available.

The mixture is not classified by the additive formula.

ATE<sub>mixture</sub> > 5 000 mg/kg.

##### Dermal

Data for the mixture are not available.

The mixture does not contain substances classified as an acute toxicity by dermal route of exposure or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

##### Inhalation

Data for the mixture are not available.

The mixture does not contain substances classified as an acute toxicity by inhalation route of exposure or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

##### Skin corrosion/irritation

Data for the mixture are not available.

The mixture is not classified as skin irritant based on the general/specific concentration limits of substance(s).

##### Serious eye damage/irritation

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Data for the mixture are not available.

The mixture is classified as causes serious eye damage based on the general/specific concentration limits of substance(s).

### **Respiratory or skin sensitisation**

Data for the mixture are not available.

The mixture is not classified as a skin sensitizing according to the general/specific concentration limits of substance(s).

EUH208 - Contains 4-tert-Butylcyclohexyl acetate. May produce an allergic reaction.

### **Germ cell mutagenicity**

Data for the mixture are not available.

The mixture does not contain substances classified as mutagenicity or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### **Carcinogenicity**

Data for the mixture are not available.

The mixture does not contain substances classified as carcinogenicity or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### **Reproductive toxicity**

Data for the mixture are not available.

The mixture does not contain substances classified as toxic for reproduction or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### **STOT – single exposure**

Data for the mixture are not available.

The mixture does not contain substances classified as toxic for specific target organs in a single exposure or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### **STOT – repeated exposure**

Data for the mixture are not available.

The mixture does not contain substances classified as toxic for specific target organs in a repeated exposure or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### **Aspiration hazard**

Data for the mixture are not available.

The mixture does not contain substances classified as aspiration hazard or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### **Other information**

See section 2 and 4.

**Decan-1-ol, ethoxylated**

CAS: 26183-52-8

### **Acute toxicity**

**Oral** The substance is classified in category 4.  
ATE = 500 mg/kg (for calculation by additive formula)

**Dermal** Data for the substance are not available.

**Inhalation** Data for the substance are not available.

### **Skin corrosion/irritation**

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Data for the substance are not available.

### **Serious eye damage/irritation**

Data for the substance are not available.

The substance is classified as seriously damaging to the eyes.

### **Respiratory or skin sensitisation**

Data for the substance are not available.

### **Germ cell mutagenicity**

Data for the substance are not available.

### **Carcinogenicity**

Data for the substance are not available.

### **Reproductive toxicity**

Data for the substance are not available.

### **STOT – single exposure**

Data for the substance are not available.

### **STOT – repeated exposure**

Data for the substance are not available.

### **Aspiration hazard**

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm<sup>2</sup>/s or less at 40 °C.

**Sulfonic acids, C14-17-sec-alkane, sodium salts**

CAS: 97489-15-1

### **Acute toxicity**

#### **Oral**

The substance is classified in category 4.  
LD<sub>50</sub> = 500 - 2 000 mg/kg (rat, OECD 401).  
ATE = 500 mg/kg (for calculation by additive formula).

#### **Dermal**

Based on available data, the classification criteria are not met.  
LD<sub>50</sub> > 2 000 mg/kg (mouse, female).

#### **Inhalation**

Data for the substance are not available.

### **Skin corrosion/irritation**

The substance is classified as skin irritant.

Mean erythema score = 3.45 (fully reversible after 14 days) and oedema = 2.44 (fully reversible after 14 days) (rabbit, 72 hrs. OECD 404).

### **Serious eye damage/irritation**

The substance is classified as seriously damaging to the eyes.

Mean score of corneal opacity > 1 - ≤ 3 (not fully reversible), iritis > 0 - ≤ 1 (not fully reversible), conjunctival redness > 2 - ≤ 3 (not fully reversible), conjunctival oedema ≥ 2 (not fully reversible) (rabbit, 72 h, OECD 405).

### **Respiratory or skin sensitisation**

Based on available data, the classification criteria are not met.

Not skin sensitising (guinea pig, OECD 406).

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### ***Germ cell mutagenicity***

Based on available data, the classification criteria are not met.  
Negative (OECD 471, OECD 476).

### ***Carcinogenicity***

Based on available data, the classification criteria are not met.  
NOEL = ca. 1 000 mg/kg/day (carcinogenicity, rat, oral).  
LOAEL = ca. 1 000 mg/kg/day (toxicity, rat, oral).

### ***Reproductive toxicity***

Based on available data, the classification criteria are not met.  
NOAEL  $\geq$  1 000 mg/kg/day (rat, oral, generation P, F1a, F1b, F2a, F2b, two-generation test).

### ***STOT – single exposure***

Data for the substance are not available.

### ***STOT – repeated exposure***

Based on available data, the classification criteria are not met.  
NOAEL = ca. 500 mg/kg/day (mouse, dermal).

### ***Aspiration hazard***

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm<sup>2</sup>/s or less at 40 °C.

**4-tert-Butylcyclohexyl acetate**

CAS: 32210-23-4

### ***Acute toxicity***

**Oral** Based on available data, the classification criteria are not met.  
LD<sub>50</sub> = 3 370 mg/kg (rat, OECD 401).

**Dermal** Based on available data, the classification criteria are not met.  
LD<sub>50</sub> > 4 680 mg/kg (rabbit, OECD 402).

**Inhalation** Data for the substance are not available.

### ***Skin corrosion/irritation***

Based on available data, the classification criteria are not met.  
The substance not classified as skin irritant (human, EU method B.46).

### ***Serious eye damage/irritation***

Based on available data, the classification criteria are not met.  
Mean score of corneal opacity = 0.04 (fully reversible after 48 hours), iritis = 0, conjunctival redness = 0.17 (fully reversible after 48 hours), conjunctival oedema = 0.04 (fully reversible after 48 hours) (rabbit, 72 h, OECD 405).

### ***Respiratory or skin sensitisation***

The substance classified as skin sensitising in category 1B (mouse, OECD 429).

### ***Germ cell mutagenicity***

Based on available data, the classification criteria are not met.  
Negative (bacterial reverse mutation assay).  
Negative (read-across (Coniferan), OECD 473, OECD 476).

### ***Carcinogenicity***

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Data for the substance are not available.

### **Reproductive toxicity**

Data for the substance are not available.

### **STOT – single exposure**

Data for the substance are not available.

### **STOT – repeated exposure**

Based on available data, the classification criteria are not met.

NOAEL = 1 005 mg/kg/day (read-across (Dorysia), systemic toxicity, rat, male, oral, 28 days, OECD 407).

NOAEL = 980 mg/kg/day (read-across (Dorysia), systemic toxicity, rat, female, oral, 28 days, OECD 407).

### **Aspiration hazard**

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm<sup>2</sup>/s or less at 40 °C.

## **11.2. Information on other hazards**

Mixture does not contain substance(s) meeting the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH regulation. The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet and given in the list (established in accordance with Article 59(1) for having endocrine disrupting properties of REACH regulation.

Mixture does not contain the substance(s) identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. There is no other relevant information on adverse health effects that is not required according to the classification criteria set out in CLP Regulation.

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

#### **Mixture**

Data for the mixture are not available.

#### **Acute aquatic toxicity**

The mixture does not contain substances classified as acute aquatic toxicity or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

#### **Chronic aquatic toxicity**

The mixture is not classified as chronic aquatic toxicity based on calculation according to the summation method.

| category | 1 | 2 | 3   | 4   |
|----------|---|---|-----|-----|
| $\Sigma$ | 0 | 0 | < 5 | < 5 |

#### **Decan-1-ol, ethoxylated**

CAS: 26183-52-8

The substance is not classified as hazardous for the aquatic environment.

#### **Fish**

Data for the substance are not available.

#### **Crustaceans**

EC<sub>50</sub>, 48 hrs., Daphnia Magna: 15 mg/l (OECD 202).

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|   |                 |
|---|-----------------|
| <b>Algae</b>  |                 |
| EC <sub>50</sub> , 72 hrs.: 19.6 mg/l (growth rate, OECD 201).                            |                 |
| <b>Sulfonic acids, C14-17-sec-alkane, sodium salts</b>                                    | CAS: 97489-15-1 |
| The substance is classified as Aquatic Chronic 3; H412.                                   |                 |
| <b>Fish</b>   |                 |
| LC <sub>50</sub> , 96 hrs., Leuciscus idus: 5.5 mg/l (mortality, EU method C.1).          |                 |
| NOEC, 28 d., Oncorhynchus mykiss: 0.85 mg/l (mortality, OECD 204).                        |                 |
| <b>Crustaceans</b>  |                 |
| EC <sub>50</sub> , 48 hrs., Daphnia Magna: 9.2 mg/l (mobility, OECD 202).                 |                 |
| NOEC, 22 d., Daphnia Magna: 0.36 mg/l (reproduction, OECD 202).                           |                 |
| <b>Algae</b>  |                 |
| EC <sub>50</sub> , 72 hrs., Desmodesmus subspicatus: > 61 mg/l (growth rate, OECD 201).   |                 |
| EC <sub>10</sub> , 72 hrs., Desmodesmus subspicatus: 58.8 mg/l (growth rate, OECD 201).   |                 |
| <b>4-tert-Butylcyclohexyl acetate</b>   | CAS: 32210-23-4 |
| The substance is not classified as dangerous for the aquatic environment.                 |                 |
| <b>Fish</b>   |                 |
| LC <sub>50</sub> , 96 hrs., Cyprinus carpio: 8.6 mg/l (mortality, EU Method C.1).         |                 |
| <b>Crustaceans</b>  |                 |
| EC <sub>50</sub> , 48 hrs., Daphnia Magna: 5.3 mg/l (mobility, OECD 202).                 |                 |
| <b>Algae</b>  |                 |
| EC <sub>50</sub> , 72 hrs., Desmodesmus subspicatus: 22 mg/l (growth rate, EU Method C.3) |                 |
| EC <sub>10</sub> , 72 hrs., Desmodesmus subspicatus: 11 mg/l (growth rate, EU Method C.3) |                 |
| NOEC, 72 hrs., Desmodesmus subspicatus: 6.8 mg/l (biomass, EU Method C.3)                 |                 |
| <b>12.2. Persistence and degradability</b>  |                 |
| <b>Mixture</b>  |                 |
| Data for the mixture are not available.   |                 |
| <b>Sulfonic acids, C14-17-sec-alkane, sodium salts</b>                                    | CAS: 97489-15-1 |
| Readily biodegradable: 78 % after 28 days (CO <sub>2</sub> evolution, OECD 301 B).        |                 |
| <b>4-tert-Butylcyclohexyl acetate</b>   | CAS: 32210-23-4 |
| Readily biodegradable: 75 % after 29 days (CO <sub>2</sub> evolution, EU method C.4-C).   |                 |
| <b>12.3. Bioaccumulative potential</b>  |                 |
| <b>Mixture</b>  |                 |
| Data for the mixture are not available.   |                 |
| <b>Sulfonic acids, C14-17-sec-alkane, sodium salts</b>                                    | CAS: 97489-15-1 |
| log Pow = 0.2 (20 °C, pH = 7 - 8.5, EU method A.8).                                       |                 |
| <b>4-tert-Butylcyclohexyl acetate</b>   | CAS: 32210-23-4 |

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BCF = 234 - 334.6 l/kg ((Q)SAR method).  
log Pow = 4.8 (25 °C, OECD 117).

### 12.4. Mobility in soil

#### Mixture

Data for the mixture are not available.

#### Sulfonic acids, C14-17-sec-alkane, sodium salts

CAS: 97489-15-1

Data for the substance are not available.

#### 4-tert-Butylcyclohexyl acetate

CAS: 32210-23-4

log Koc > 3.51 - < 3.66 (30 °C, EU method C.19).

### 12.5. Results of PBT and vPvB assessment

Mixture does not contain substance(s) meeting the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH Regulation. The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH Regulation.

### 12.6. Endocrine disrupting properties

The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH Regulation. Mixture does not contain the substance(s) identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

### 12.7. Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal methods of the substance or mixture and the contaminated packaging

Dispose according to the applicable European and local regulations (eg. in a hazardous waste incinerator). **Do not empty unused product into drainage systems.** Do not contaminate ponds or ditches with the product or used container. Hand over the residual amounts and solutions to a licensed disposal company. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

#### Possible waste code

07 06 01\* - aqueous washing liquids and mother liquors or 20 01 29\* - detergents containing hazardous substances (mixture), 15 01 10\* - packaging containing residues of or contaminated by hazardous substances (contaminated packaging), 15 01 02 - plastic packaging (clear packaging).

#### Physical/chemical properties that may affect waste treatment options

Not known.

#### Special precautions recommended for waste management

Not known.

#### Waste legislation

Directive 2008/98/EC on waste and repealing certain Directives, as amended.

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### SECTION 14: Transport information

This product is not classified as a dangerous for transportation (ADR/RID, IMDG, ICAO/IATA).

#### 14.1. UN number or ID number

Not given.

#### 14.2. UN proper shipping name

Not given.

#### 14.3. Transport hazard class(es)

Not given.

#### 14.4. Packing group

Not given.

#### 14.5. Environmental hazards

It is not dangerous for the environment during transport.

#### 14.6. Special precautions for user

Not given.

#### 14.7. Maritime transport in bulk according to IMO instruments

Not available.

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation No. 1907/2006/EC, concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals, as amended (REACH)

Regulation No. 1272/2008/EC, on Classification, Labelling and Packaging of substances and mixtures, as amended (CLP)

Regulation No. 648/2004/EC on detergents, as amended

#### 15.2. Chemical safety assessment

Has not been carried out for mixture.

### SECTION 16: Other information

#### Reason for the revision of the safety data sheet

Change labeling of the mixture. Change in the composition of the mixture in section 3 and related changes in the other sections.

#### Key or legend to abbreviations and acronyms

|                   |                                |
|-------------------|--------------------------------|
| Acute Tox. 4      | Acute toxicity, cat. 4         |
| Aquatic Chronic 3 | Chronic aquatic hazard, cat. 3 |
| Eye Dam. 1        | Serious eye damage, cat. 1     |
| Eye Irrit. 2      | Eye irritation, cat. 2         |
| Skin Irrit. 2     | Skin irritation, cat. 2        |

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|               |  |
|---------------|--|
| Skin Sens. 1B | Skin sensitization, cat. 1B  |
| ADR           | Accord Dangereuses Route   |
| CLP           | Regulation No. 1272/2008/EC, on Classification, Labelling and Packaging of substances and mixtures               |
| DNEL          | Derived No Effect Level  |
| ICAO/IATA     | International Air Transport Association  |
| IMDG          | International Maritime Dangerous Goods   |
| PBT           | Persistent, bioaccumulative, toxic substance   |
| PNEC          | Predicted No Effect Concentration  |
| REACH         | Regulation No. 1907/2006/EC, concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID           | Regulation concerning the International Carriage of Dangerous Goods by Rail                                      |
| STOT          | Specific target organ toxicity   |
| vPvB          | Very persistent and very bioaccumulative substance   |

### **Sources of key data used to compile the Safety Data Sheet**

European legislation, manufacturer's safety data sheet, registration dossier of substances.

### **List of H- and P- phrases**

|                |   |
|----------------|---|
| H302           | Harmful if swallowed.   |
| H315           | Causes skin irritation.   |
| H317           | May cause an allergic skin reaction.  |
| H318           | Causes serious eye damage.  |
| H319           | Causes serious eye irritation.  |
| H412           | Harmful to aquatic life with long lasting effects.  |
| P102           | Keep out of reach of children.  |
| P280           | Wear eye protection/face protection.  |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.                            |
| P310           | Immediately call a POISON CENTER/doctor.  |
| P501           | Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |

### **Training advice**

According to SDS.

### **Other information**

Classification according to data from the manufacturer. The mixture is classified using calculation methods according to Regulation CLP and tests. Use only for the purposes designated by the manufacturer, will prevent health and environmental risks.

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## **CLEAMEN 146**

The information in this SDS was obtained from sources, which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

The safety data sheet is created in accordance with Regulation No. 2020/878/EC. There is no additional information in accordance with the local and national legislation of the Member State in the European Union, in the safety data sheet.

The safety data sheet was created by company LACHEPRA s.r.o.